# BRUHAT BANGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

***ame of the work:*** **Estimate for Improvements to Roads and Drains at Behind Pruthvi hreatre, Byraveshwara layout in Ward No. 06, Thnisandra Village Limits.**

**Estimate Cost: 4000000.00**

| Description | Unit | No. | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| KSRRB 300-2. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 152 / Item No. 19.2 / PWD SR 2013-14** | Cum | | | | | | | |
| **Desilting of Drains** | | | | | | | | |
| Road 1 and 2 Byraweshwara Layout | | 2 | 72.00 | 0.45 | 0.35 | 22.68 | | |
| Road 3 and 4 | | 2 | 160.00 | 0.45 | 0.30 | 43.20 | | |
| Road 5 and 6 | | 2 | 80.00 | 0.45 | 0.35 | 24.67 | | |
| Road 7 and 8 | | 2 | 110.00 | 0.45 | 0.40 | 39.60 | | |
| Road 9 and 10 | | 2 | 150.00 | 0.45 | 0.35 | 47.25 | | |
| **Road Work** | | | | | | | | |
| Road 1 and 2 Byraweshwara Layout | | 1 | 72.00 | 4.40 | 0.10 | 31.68 | | |
| Road 3 and 4 | | 1 | 160.00 | 4.10 | 0.10 | 65.60 | | |
| Road 5 and 6 | | 1 | 80.00 | 4.15 | 0.10 | 33.20 | | |
| Road 7 and 8 | | 1 | 110.00 | 4.00 | 0.15 | 66.00 | | |
| Road 9 and 10 | | 1 | 150.00 | 4.20 | 0.15 | 94.50 | | |
| | | | | | | **468.38** | 90.72 | **42491.00** |
| Basic Rate | 84.00 | | | | | | | |
| Area Weightage @8% | 6.72 | | | | | | | |
| **Total** | **90.72** | | | | | | | |
| Removing B.S. Slab Drain and stacking **(P. 28 / I. 5.32 PWD SR - 2013-14)** | Sqm | | | | | | | |
| | | 2 | 65.00 | | 1.35 | 175.50 | | |
| | | 2 | 45.00 | | 1.35 | 121.50 | | |
| | | 2 | 65.00 | | 1.35 | 175.50 | | |
| | | 2 | 55.00 | | 1.35 | 148.50 | | |
| | | | | | | **621.00** | 50.11 | **31120.00** |
| Basic Rate | 46.40 | | | | | | | |
| Area Weightage @8% | 3.71 | | | | | | | |
| **Total** | **50.11** | | | | | | | |
| Refixing stone slabs of drains and pointing in CM (1:3) **(P. 28 / I. 5.33 PWD SR - 2013-14)** | Sqm | | | | | | | |
| | | | Vide Item No.2 | | | **621.00** | 70.04 | **43494.00** |
| Basic Rate | 64.85 | | | | | | | |
| Area Weightage @ 8% | 5.19 | | | | | | | |
| Total | **70.04** | | | | | | | |

| Description | Unit | No. | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete 7.5 cms thick **Page No. 28 / Item No. 5.31.1/ PWD SR 2013-14** | Sqm | | | | | | | |
| Missing length in Ch: 0.00 to 200.00 Mtrs | | 2 | 30.00 | | 1.35 | 81.00 | | |
| Missing length in Ch: 0.00 to 260.00 Mtrs | | 2 | 30.00 | | 1.35 | 81.00 | | |
| Missing length in Ch: 0.00 to 240.00 Mtrs | | 2 | 35.00 | | 1.35 | 94.50 | | |
| Missing length in Ch: 0.00 to 100.00 Mtrs | | 2 | 25.00 | | 1.35 | 67.50 | | |
| | | | | | | **324.00** | 343.44 | **111275.00** |
| Basic Rate | 318.00 | | | | | | | |
| Area Weightage @ 8% | 25.44 | | | | | | | |
| Total | **343.44** | | | | | | | |
| KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix M7.5 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12 / Item No. 4.3 / PWD SR 2013-14** | Cum | | | | | | | |
| Road 1 and 2 Byraweshwara Layout | | 1 | 72.00 | 4.40 | 0.15 | 47.63 | | |
| Road 3 and 4 | | 1 | 160.00 | 4.10 | 0.15 | 98.40 | | |
| Road 5 and 6 | | 1 | 80.00 | 4.15 | 0.15 | 49.80 | | |
| Road 7 and 8 | | 1 | 110.00 | 4.00 | 0.15 | 66.00 | | |
| Road 9 and 10 | | 1 | 150.00 | 4.20 | 0.15 | 94.50 | | |
| | | | | | | **356.33** | 4290.84 | **1528955.00** |
| Basic Rate | 3973.00 | | | | | | | |
| Area Weightage @ 8% | 317.84 | | | | | | | |
| **Total** | **4290.84** | | | | | | | |
| KSRRB M2600-3: Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specification complete as per specifications, MORTH specification No. 2605, **No. 251 / Item No. 31.3 PWD SR 2013-14** | M | | | | | | | |
| | | 12 | 4.20 | | | 50.40 | | |
| | | 12 | 4.30 | | | 51.60 | | |
| | | 10 | 4.50 | | | 45.00 | | |
| | | 10 | 4.00 | | | 40.00 | | |
| | | 14 | 4.20 | | | 58.80 | | |
| | | | | | | **245.80** | 137.16 | **33714.00** |
| Basic Rate | 127.00 | | | | | | | |
| Area Weightage @ 8% | 10.16 | | | | | | | |
| **Total** | **137.16** | | | | | | | |

| Description | Unit | No. | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. **Page No. 19 / Item No. 4.48.1/ PWD SR 2013-14** | Cum | | | | | | | |
| Road 1 and 2 Byraweshwara Layout | | 1 | 72.00 | 4.40 | 0.10 | 31.68 | | |
| Road 3 and 4 | | 1 | 160.00 | 4.10 | 0.10 | 65.60 | | |
| Road 5 and 6 | | 1 | 80.00 | 4.15 | 0.10 | 33.27 | | |
| Road 7 and 8 | | 1 | 110.00 | 4.00 | 0.10 | 44.00 | | |
| Road 9 and 10 | | 1 | 150.00 | 4.20 | 0.10 | 63.00 | | |
| | | | | | | **237.55** | 6464.88 | **1535732.00** |
| Basic Rate | 5986.00 | | | | | | | |
| Area Weightage @ 8% | 478.88 | | | | | | | |
| **Total** | **6464.88** | | | | | | | |
| Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift No. **190 / Item No. 22.7 / PWD SR 2013-14** | Sqm | | | | | | | |
| Road 1 and 2 Byraweshwara Layout | | 1 | 72.00 | 4.40 | | 316.80 | | |
| Road 3 and 4 | | 1 | 160.00 | 4.10 | | 656.00 | | |
| Road 5 and 6 | | 1 | 80.00 | 4.15 | | 332.70 | | |
| Road 7 and 8 | | 1 | 110.00 | 4.00 | | 440.00 | | |
| Road 9 and 10 | | 1 | 150.00 | 4.20 | | 630.00 | | |
| | | | | | | **2375.50** | 91.80 | **218071.00** |
| Basic Rate | 85.00 | | | | | | | |
| Area Weightage @ 8% | 6.80 | | | | | | | |
| **Total** | **91.80** | | | | | | | |
| Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km ( Page No.123) | Cum | | | | | | | |
| | | | Vide Item No. 1 | | | **351.28** | 72.71 | **25540.00** |
| Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00 | | | | | | | | |
| Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12 | 5.12 | | | | | | | |
| Add loading and unloading Vide item no.17.1 P.no.141 | 62.20 | | | | | | | |
| | **67.32** | | | | | | | |
| Area Weightage @ 8% | 5.39 | | | | | | | |
| **Total** | **72.71** | | | | | | | |

| Sl. No | Description | Unit | No. | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | Add loading and unloading Vide item no.17.1 no.141 | 62.20 | | | | | | | 357037/-w |
| | | **67.32** | | | | | | | |
| | Area Weightage @ 8% | 5.39 | | | | | | | |
| | **Total** | **72.71** | | | | | | | |
| | | | | | | | | | |
| 10 | For Third Party QC Charges @ 1% on Estimate Cost KRIDL charges, Third party charges | | | | | | | | 39274/-w ~~40000.00~~ 35704 |
| 11 | Miscellaneous and other Charges | L/S | | | | | | | ~~2770.00~~ 1824 |
| | | | | | | | | **Total** | **4000000.00** |
| | **(Rs. Fourty Lakhs Only)** | | | | | | | | |

**CERTIFICATE:**

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
ಸಹಾಯಕ ಕಾರ್ಯ ನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
Bruhat Bangalore Mahanagara Palike
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
Byatarayanapura Sub Division
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು-24

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVELY SANCTIONED FOR Rs.....
Rupees Fourty Lakhs only
Under 110 Villages Scheme
Registered as EE ( ) No 9.....9....
Subject to conditions contained in enclosed memo EE ( ) No /9/..
Dt Estimate Sanctioned Addcon + Bills No 550/13-14
dated 23.12.13 Rs 40,00

Jo...mmissioner
(...ubhanka Zone)
BBMP. Bengaluru-92

Technical Sanction for Rs. 40-00 Lakhs
Fourty Lakhs only
Registered as EE No: 70/12-13 Dated Subject to conditions contained enclosed memo.
No: 70/12-13 Dt 23-12-13

AE/JE Superintendent Engineer EE (BTP.Div.)